

# **METHOD AND APPARATUS FOR PROVIDING MAGNETOSTRICTION CONTROL IN A FREELAYER OF A MAGNETIC MEMORY DEVICE**

## **ABSTRACT**

5           A method and apparatus for providing magnetostriction control in a free layer of a magnetic memory device is disclosed. The same target compositions for the free layers may be used, but the relative thickness values are modified to obtain a desired magnetostriction without a change in the magnetoresistance ratio,  $\Delta R/R$ .